

WHAT IS CLAIMED IS:

1. A timing switch, comprising:

a control valve, a timing device, and a flow control device, wherein:

the control valve has an inner wall having a first portion formed with

5 a first flow channel, a second portion formed with a second flow channel, and a mediate portion provided with a baffle located between the first flow channel and the second flow channel;

the baffle is formed with a gap communicating with the first flow channel and the second flow channel;

10 the timing device is mounted on the control valve and includes an elastic plate movably mounted on the control valve; and

the flow control device is mounted in the control valve and includes a support seat mounted in the control valve and having a first side rested on the elastic plate of the timing device, a drive shaft movably mounted in the control
15 valve and having a first end rested on a second side of the support seat, and a closure seat secured on a second end of the drive shaft to move therewith and rested on the baffle of the control valve to close the gap of the baffle so as to interrupt connection between the first flow channel and the second flow channel.

20 2. The timing switch in accordance with claim 1, wherein the control valve has a first side provided with a first receiving seat formed with an insertion recess and a second side formed with a second receiving seat.

3. The timing switch in accordance with claim 2, wherein the insertion recess communicates with the second flow channel of the control valve.

4. The timing switch in accordance with claim 2, wherein the timing
5 device includes a timer secured in the first receiving seat of the control valve, a control shaft rotatably mounted on the timer, and a control knob rotatably mounted on the first receiving seat of the control valve and secured on the control shaft to rotate the control shaft.

5. The timing switch in accordance with claim 4, wherein the timing
10 device further includes a sealing plate secured on the first receiving seat of the control valve and rested on the timer to enclose the timer in the first receiving seat of the control valve.

6. The timing switch in accordance with claim 2, wherein the support seat mounted in the insertion recess of the control valve

15 7. The timing switch in accordance with claim 1, wherein the support seat of the flow control device is provided with a flexible press plate rested on the elastic plate of the timing device.

8. The timing switch in accordance with claim 7, wherein the first end of the drive shaft is rested on the press plate of the support seat.

20 9. The timing switch in accordance with claim 2, wherein the flow control device further includes a retaining ring secured in the insertion recess

of the control valve and rested on the closure seat to retain the closure seat in the insertion recess of the control valve.

10. The timing switch in accordance with claim 1, wherein the flow control device further includes a substantially C-shaped snapping member
5 secured on the second end of the drive shaft and rested on the closure seat to limit the closure seat.

11. The timing switch in accordance with claim 10, wherein the second end of the drive shaft is formed with a locking groove to fix the snapping member.

10 12. The timing switch in accordance with claim 10, wherein the flow control device further includes a washer mounted on the second end of the drive shaft and located between the snapping member and the closure seat.

13. The timing switch in accordance with claim 2, wherein the flow control device further includes a cover secured on the second receiving seat of
15 the control valve, and an elastic member mounted on the second end of the drive shaft and urged between the closure seat and the cover to press the closure seat to seal the baffle of the control valve.

14. The timing switch in accordance with claim 13, wherein the flow control device further includes a rubber pad mounted between the closure seat
20 and the elastic member.

15. The timing switch in accordance with claim 13, wherein the flow control device further includes an O-ring mounted between the cover and the second receiving seat of the control valve.

16. The timing switch in accordance with claim 13, wherein the
5 second receiving seat of the control valve is formed with an inner thread, and the cover is formed with an outer thread screwed into the inner thread of the second receiving seat of the control valve.

17. The timing switch in accordance with claim 13, wherein the cover has a center formed with a receiving hole to receive the second end of the
10 drive shaft.

18. The timing switch in accordance with claim 1, wherein the cover is formed with an O-shaped groove to receive the elastic member.